GAL, Gyorgy, dr.

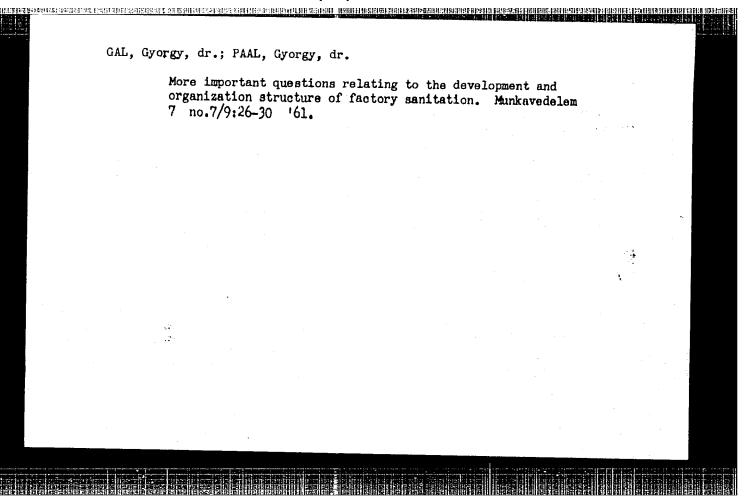
Medical services for industrial workers. Nepegeszsegugy 41 no.10;
277-285 0 '60.

(INDUSTRIAL MEDICINE)

GAL, Gyorgy, dr.; NEMETH, Andras, dr.

Role of the "absolute" cosinophil count in the prognosis of acute uremia. Orv.hetil. 101 no.50:1770-1773 11 D'60.

1. Smegedi Orvastudomanyi Egyetem, I. Sebesseti Klinika. (URENIA blood) (EGSINOPHIIS)



NEMETH, Andras, dr.; GAL, Gyorgy, dr.; FAZAKAS, Sandor, dr.

The role of hypermagnesemia in uremic "toxicosis". Orv. hetil. 102 no.20:913-917 14 My '61.

1. I sz. Sebeszeti Klinika, Szeged.

(MAGNESIUM blood) (UREMIA blood)

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HUNGARY

GAL, Gyorgy, Dr, NEMETH, Andras, Dr, FAZEKAS, Sandor, Dr; Medical University of Szeged, I. Surgical Clinic (Szegedi Orvostudomanyi Egyetem, I. Sebeszeti Klinika).

"Some Aspects of Kidney Complications Following Septic (Criminal) Abortus."

Budapest, Orvosi Hetilap, Vol 104, No 23, 9 June 63, pages 1066-1069.

Abstract: [Authors' Hungarian summary] Clinical data and conclusions are presented on 24 cases of kidney failure following septic abortions. Eight deaths are reported. The applied combined treatment for the acute wremia was effective and decrease of the mortality rate is expected from a more effective treatment of the inflammatory complications that followed. 11 Hungarian, 4 Western references.

|1/1

HUNGARY

APPROVED FOR RELEASEN.09/107/2001:AL. CIA-RDP86-00513R000614020002-6"
ALTORDAY, Istvan, Dr., SCULTETY, Sandor, Dr., BALOGH, Eleonora, Dr., KARPATI,
Ferenc, Dr.; Medical University of Szeged, I. Surgical Clinic (Szegedi Orvostudomanyi Egyetem, I. Sebeszeti Klinika).

"Kidney Homotransplantation Between Brothers."

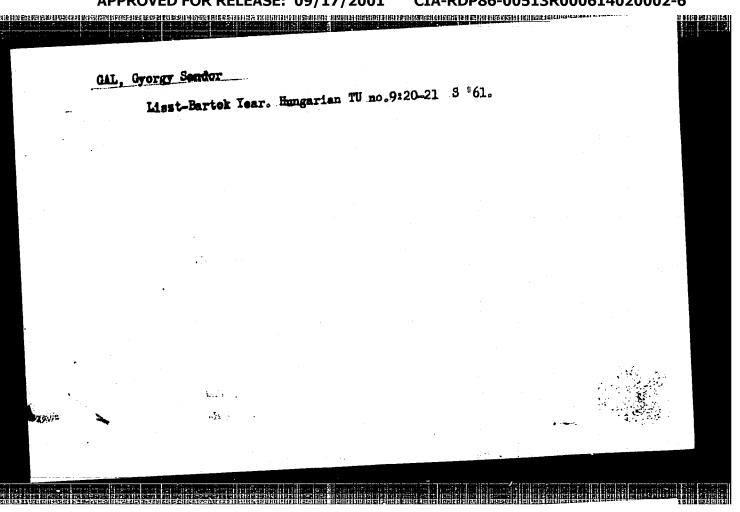
Budapest, Orvosi Hetilap, Vol 104, No 43, 27 Oct 63, pages 2017-2023.

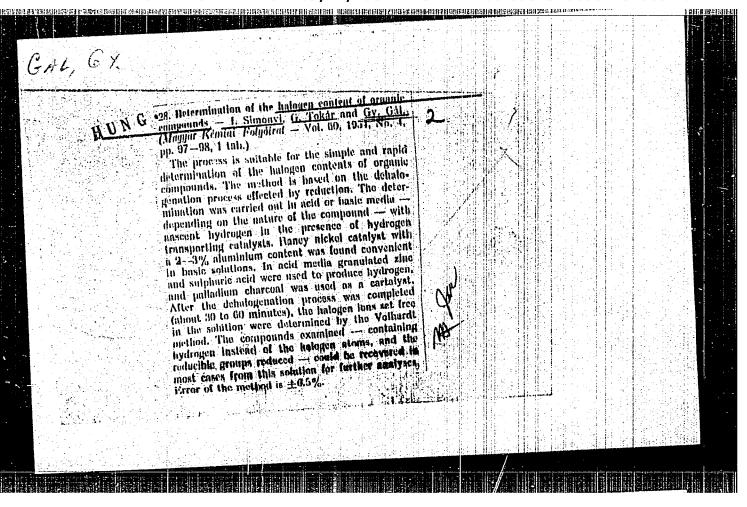
Abstract: [Authors' Hungarian summary modified] Homotransplantation of a kidney has been performed on a patient in the final stages of uremia. Before surgery, 150 r whole-body irradiation and 200 r local irradiation on the spleen has been given. Immediately after surgery and four days later, 200 r doses each were applied to the transplanted kidney. Because of impaired function later, a total of 250 r were given to the whole body and 200 r to the transplant, in order to prevent the rejection process. The transplant functioned well for 6 weeks and during this time the condition of the patient was good. After a gradual impairment of function, the patient died on the 79 post-operative day under uremic and septic symptoms. Sixteen days before death, the other kidney has been removed. No typical rejection processes were indicated by the histological examination of the transplant but the extensive obliterating vessel changes, of unknown cause, explain the gradual decrease of kidney function. 1 Hungarian, 8 Western references.

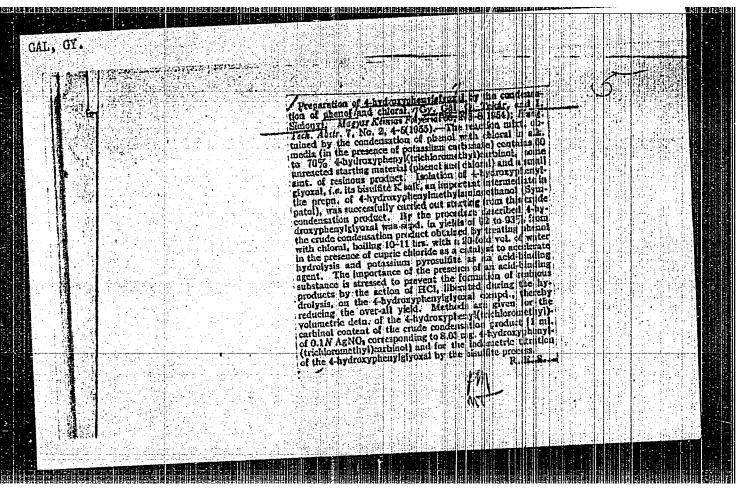
GAL, Gyorgy, dr.; FAZAKAS, Sandor, dr.; NEMETH, Andrus, dr.

Dialysis in the treatment of barbiturate poisoning. Grv. hetil.
106 no.26:1211-1213 27 Je165.

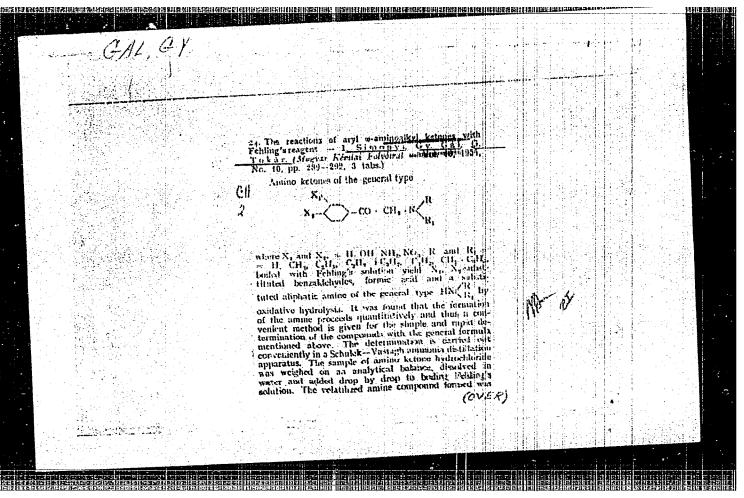
1. Szegedi Orvostudomanyi Egyetem, I. Sebeszeti Klinika (igaz-gato: Petri, Gabor, dr.).

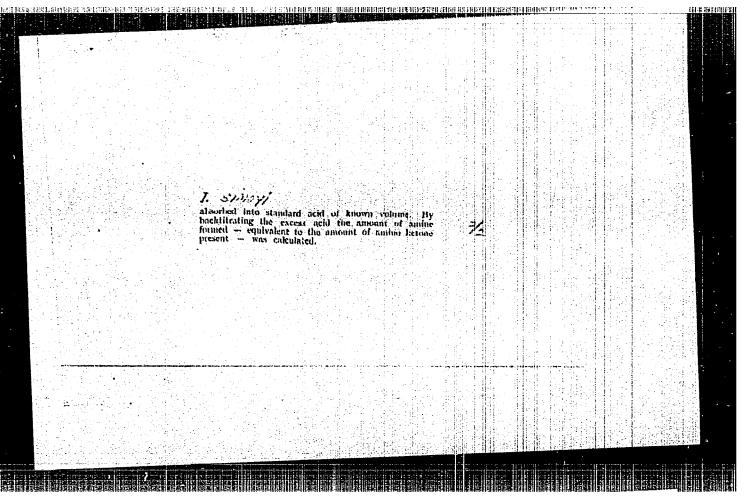




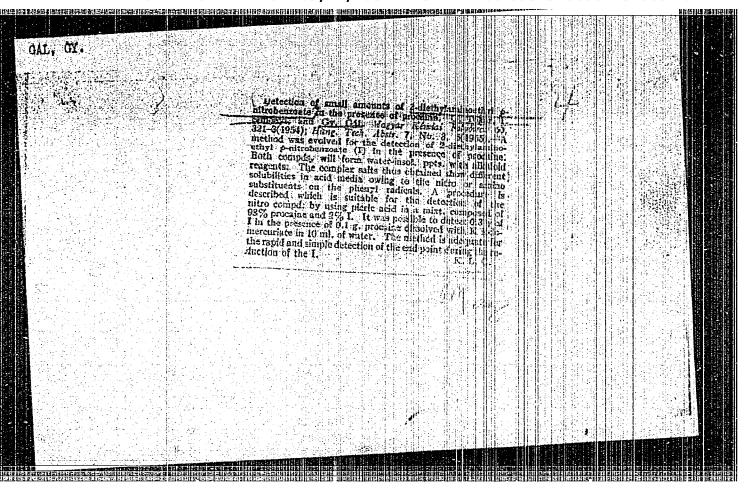


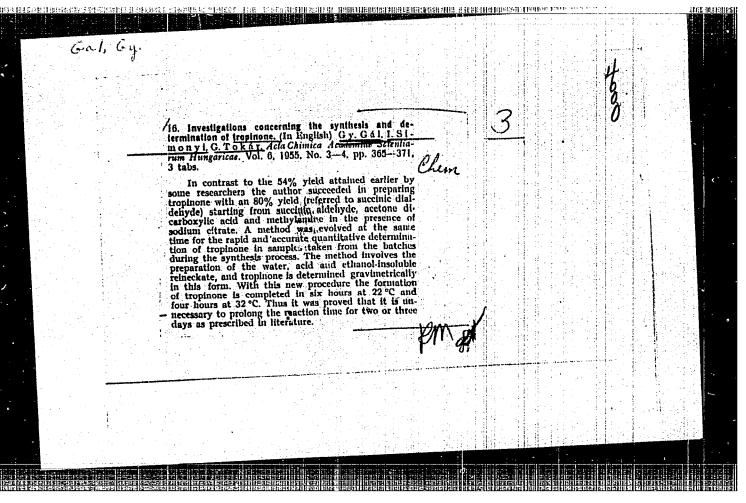
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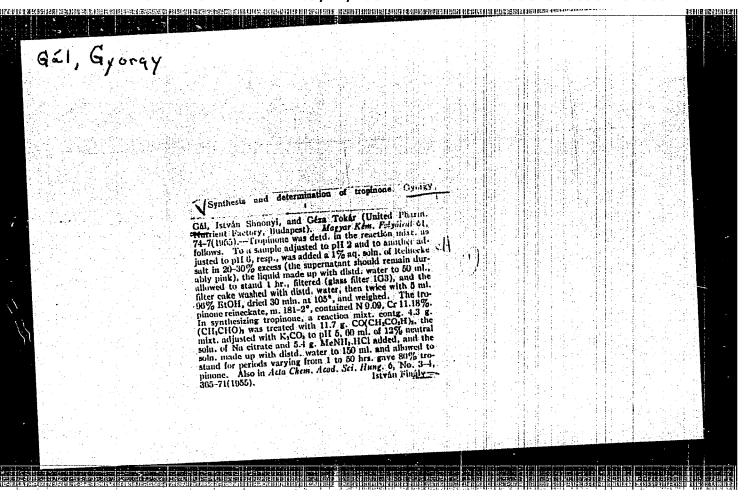


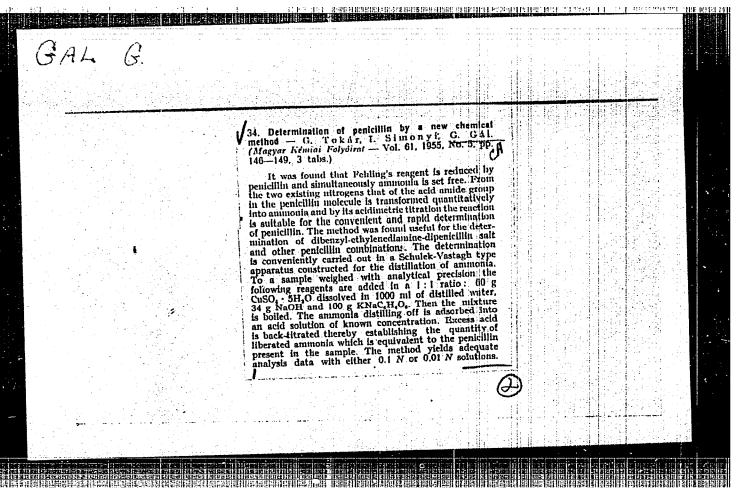


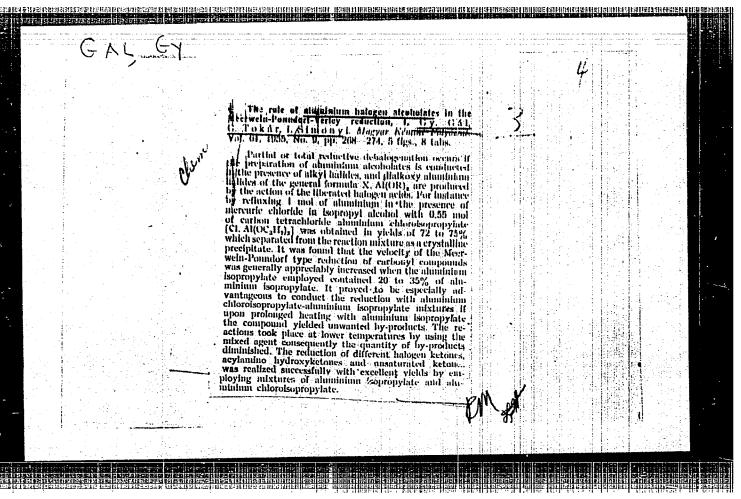
GAL. GY. Role of aluminum halogen alcoholates in the Maerwein-Ponndorf-Verley reduction. II. Reduction of -bromoketones by a minture of aluminum reduction. II. Reduction of -bromoketones by a minture of aluminum reduction. II. Reduction of -bromoketones by a minture of aluminum reduction.

Vol. 8, no. 1/3, 1955 ACTA CHIMICA SCIENCE Budapest, Hungary

So: East European Accessions, Vol. 5, no. 5, May 1956







GAL, GY.; TOKAR, G.; SIMONYI, I.

GAL, GY.; TOKAR, G.; SIMONYI, I. Effect of aluminum halogen alcoholates in the Meerwein-Ponndorf-Verley reduction. I. Changes in rates of reaction and in equilibrium values

in reaction and in equilibrium values at reductions carried out in the presence of aluminum halogen alebholates. In English. p. 421.

Vol. 7, no. 3/4, 1955 ACTA CHIMICA SCIENCE HUNGARY

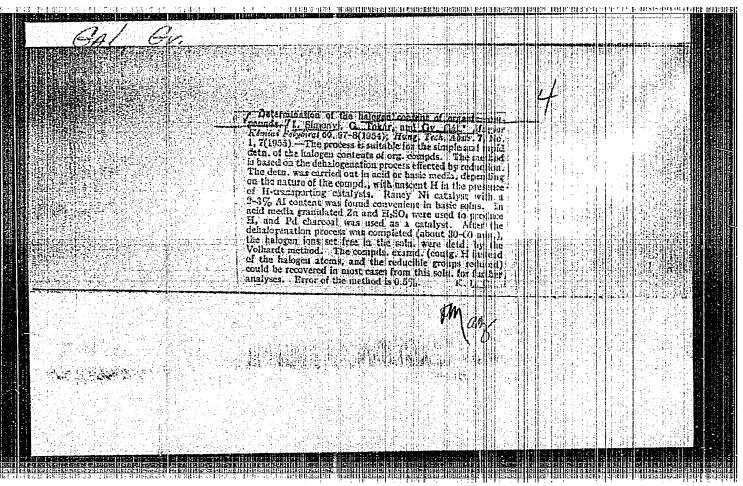
So: East Europeon Accessions, Vol. 5, No. 9, Sept. 1956

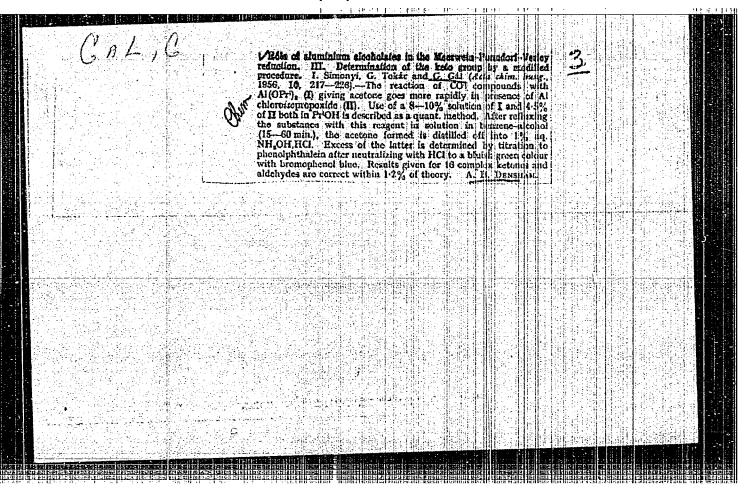
GAL, GY.; SI'ONYI, L; TOKAR, G.

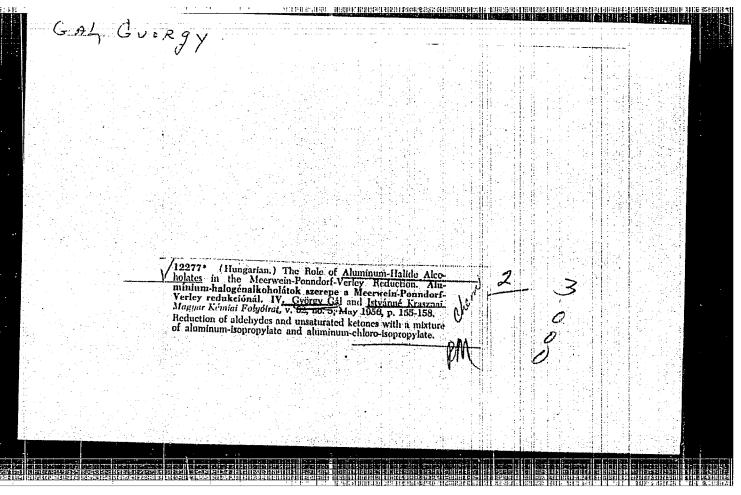
Role of aluminumhalogen alcoholates in Meerwein-Ponndorf-Verley reductions. II. Reduction of bromoketones with a mixture of aluminum isopropyl and aluminum chlorisopropyl. III. Determination of the oxo group by modified Meerwein reduction. p. 362. Vol 61, No. 11, Nov. 1955. ACTAZZOOLOGICA, ELET ES TUDO ANY, and MAGYAR KEMIAI FOLYOIRAT. Budapest, Hungary.

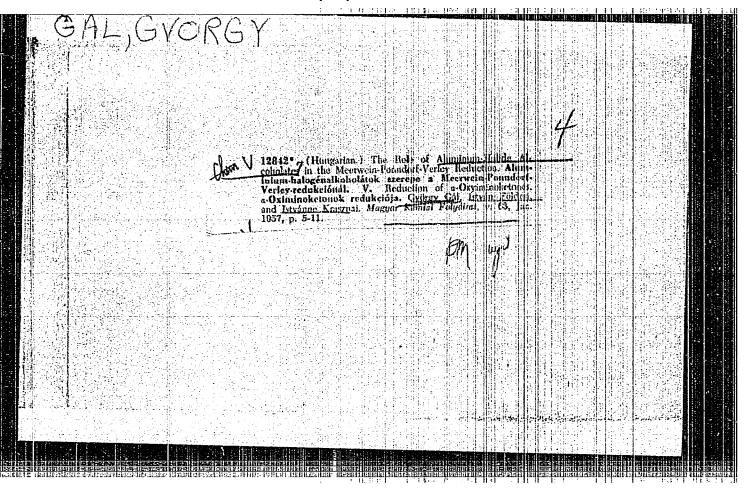
So: Eastern European Accession. Vol. 5, no. 4, April 1956

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614020002-6









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GAL, Gyorgy, dr.,; NEMETH, Andras, dr.,; PINTER, Imre, dr.

Hemodialysis in the therapy of severe barbiturate poisoning.

Orv. hetil. 97 no.21:582 20 May 56.

1. A Szegedi Orvost. Egy. I. ss. Seb. Klin. (igaz. Jaki Gyula dr. egyet. tanar) es Korelettani Intex. (igaz.: Karady Istvan dr. egyet. tanar) kozl.

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GAL GYORS!

Hungary/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61476

Author: Gal, Gyorgy; Simonyi, Istran; Tokar, Geza

Institution: None

Title: Role of Aluminum Haloalcoholates in the Meerwein-Ponndorf-Verley

Reduction. II. Reduction of &-Bromoketones by Means of a Mixture

of Aluminum Isopropylate and Aluminum Chlorisopropylate

Original

Periodical: Aluminium-halogenalkoholatok szerepe a Meerwein-Ponndorf-Verley

redukcional. II. «Bromketonok redukcioja aluminium izopropilat es aluminium-klorizopropolat keverekevel, Magyar. kem. folyoirat, 1955, 61, No 11, 362-367; Hungarian; German resumé; Acta chim. acad. sci. hung., 1955, 8, No 1-3, 63-169; English; Russian and

German resumés

Abstract: Reduction of a-secondary bromoketones and a-bromischutyrophenone

(I) according to Meerwein-Ponndorf, using the mixture (iso-C₃H₇O)₃Al (II) + (iso-C₃H₇O)₂AlX (III) = Br, IVX = Cl) gives a

Card 1/3

CIA-RDP86-00513R000614020002-6 "APPROVED FOR RELEASE: 09/17/2001

Hungary/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61476

Abstract: good yield of corresponding brombydrines. Formation of C6H5CHBrC(CH3) = CH2 and C6H5CH 2 C(CH3)CH2Br in the course of the reduction of I with II (Stevens, P. G., et al, J. Amer. Chem. Soc., 1940, 62, 1424) is due to intermediate formation of C6H5CHOHCBr(CH3)2 (V). To α-bromopropiophenene (VI) (from propiophenone and Br2, 0.3 mol each in 200 ml absolute C6H6) are added within 10-15 minutes 0.9 mol II in 400 ml absolute Collo, and let stand at ~200. II reacts partially with HBr contained in the solution and yields III; molar ratio II: III 0.66:0.24. After 24 hours (degree of conversion 92.5%) poured into a mixture of 1 kg ice 100 ml concentrated H2SO4, yield of C6H5CHOHCHBrC2 (VII) 84.14, BP 102-1040/5 mm. On reduction (48 hours) of α -bromopropiophenone (0.3 mol) with mixture of 0.3 mol II and 0.1 mol IV yield of VII is 81.7%, to a solution of 0.6 mol II and 0.2 mol IV in 600 ml absolute C6H6 are added with cooling within 15-20 minutes 0.5 mol 2-bromocyclo-hexanone, let stand for 24 hours, yield of 2-bromocyclohexanol 73%, BP 85-87°/10 mm. High yields and absence of products containing no Br (see Stevens, et al, loc. cit.) are due to low temperatures of the reaction (0-200) possible due to the

Card 2/3

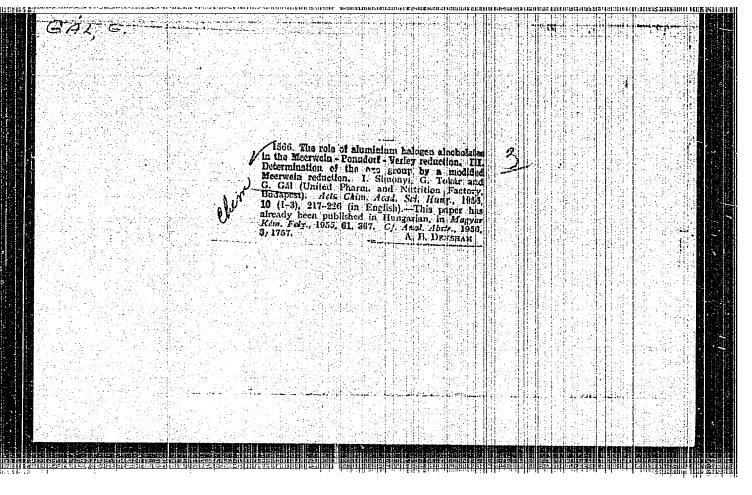
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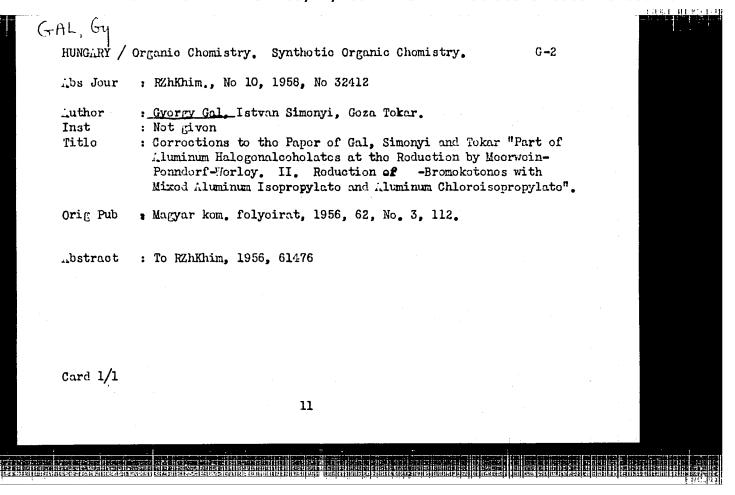
Hungary/Organic Chemistry - Synthetic Organic Chemistry, E-2 Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61476

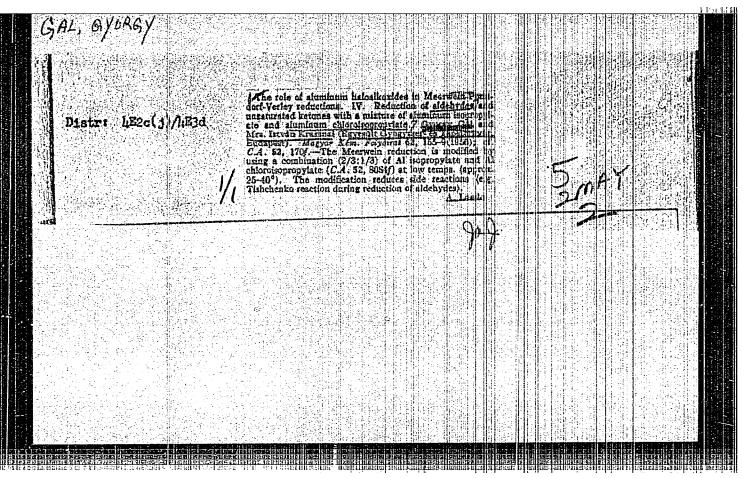
Abstract: accelerating action of III or IV. To a solution of 1 mol II and 0.4 mol IV in 1.2 1 absolute C6H6 are added dropwise (30 minutes, 0-3°) 1 mol I let stand for 24 hours in the cold, yield of V 98.5% n²⁵D 1.5497. On distillation (5 mm) V loses water and is converted to C6H5CHC(CH3)CH2Br. Acetyl derivative of V (from 22.9 g V and 50 ml CH3COCl, boiled for 2 hours, yield 17.2 g) BP 117-119°/5 mm, MP 55-56° (from ethyl acetate + petroleum ether). Velocity of reduction of I and isobutyrophenone with mixture of II and IV (1:2) is about equal. Communication I, see Referat Zhur - Khimiya, 1956, 57915.

Card 3/3

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614020002-6







GAL, Gy.: FOLDESI, I.; KRASZNAI, I.

The role of aluminum-halogen-alcoholates in the Meerwein-Ponndorf-Verley reduction. V. Reduction of a-Oximinoketones. p. 5. (Nagyar Kemiai Folyoirat, Vol. 63, No. 1, Jan 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

GAL, GY KRASZNAI, I.

Reaction of aluminum chloride isopropylate with sodium borohydride; a preliminary communication. p. 92.

(Magyar Kemiai Folyoirat. Vol. 63, no. 2/3, Feb./Mar. 1957. Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

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HUNGARY / Organic Chemistry. Synthetic Organic Chemistry.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61016.

Author : Gyorgy Gal, Istvanne Krasznai.

Inst
Title : Selective O-Disacylation of N,O-Diacyl Compounds.

Orig Pub: Magyar kem. folyoirat, 1957, 63, No 6-7, 176-179.

Abstract: An addition of 20 to 30% of (iso-C₃H₇O)₂AlCl to (iso-C₃H₇O)₃Al results in a reagent, which accelerates thereesterification of carboxylic acids with the formation of isopropyl esters. Only Odisacylation with 75 to 95%-ual yields takes place at the action of that reagent on N,O-diacyl derivatives mixed with C₆H₆-iso-C₃H₇OH, which has been confirmed by many examples, where the O-acyl and the N-acyl groups are in the compounds of the

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HUNGARY / Organic Chemistry. Synthetic Organic Chemistry.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61016.

Abstract: fatty or the aromatic series, or the O-acyl group is in the fatty radical, and the N-acyl group is in the aromatic radical. O-acetyl, benzoyl and tozyl compounds are re-esterized easily, and 4-nitrobenzoyl compounds are re-esterized with difficulty. Methyl-(4-tozylaminophenyl)-carbinol, melting point 112° (from benzene-petroleum ether) was prepared by the reduction of n-CH3C6H4SO2NHC6 H4COCH3 with Al isopropylate and converted into tozylate, melting point 117° (from petroleum ether) by the reaction with CH3C6H4SO2Cl in the presence of pyridine.

Card 2/2

3116, G

HUNGARY / Organic Chemistry. Synthetic Organic Chemistry.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61017.

Abstract: in C6H6 for the preparation of I. The rate and the temperature of the dissociation of I (40 to 230°, 1 hour) depend on the R and are similar to the thermal dissociation of C1B(OR)2. The main dissociation products are RC1 and corresponding olefins, alcohol and ester. The rate of reduction according to Meerwein in the presence of C1A1(OC3H7-1so)2 (Ia) rises while its amount in the mixture with III does not exceed 35%. The reduction rate decreases noticeably at the concentration of Ia above 70%. These dissociation processes are explained by the formation of the

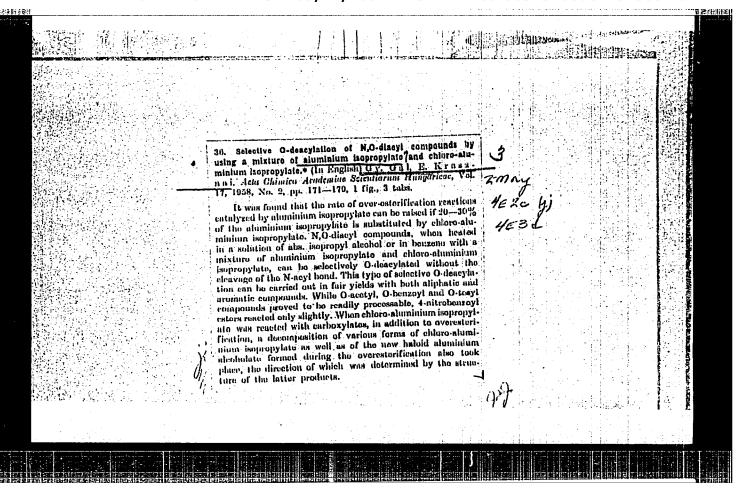
Card 2/3

HUNGARY / Organic Chemistry. Synthetic Organic Chem- G
istry

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614020002-6"
Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61017.

Abstract: intermediate (less stable) R'R"CHOA1(C1)OC3H7-iso.

Card 3/3



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Williamy/L alycical C emisory. Inalysis of Organic Substances.

 \mathbf{E}

Abs Jour: Ref Zhur-Khim, No 9, 1959, 31092.

Author: Tokar, G., Gal Gy., Shmonyi, I.
Ths.: Lungarian Academy of Sciences.

Table : New Chemical Methods Applicable in Organic Analysis

and Their Significance in Preparative Morh.

Orne Pub: Acta c in. Acad. sc.c. . ung. 1958, 15, to 4,

375-384.

Abstract: A quick and sample act od for the determation of organically bonded alogous (H) was developed. The method is based on the quantitative exclange of a active catalyst of halogon atoms with hydrogen at the moment of liberation. The weighted portion of the substance

being analyzed is dissolved in water, C230 or in

Card : 1/3

MUNGARY/Analytical Coemistry. Analysis of Organic Substances.

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Abs Jour: Ref Zhur-Khim., No 9, 1959, 31092.

C3H7OH, or in other solvents not containing H or their mixtures. In analysis in an alkaline medical the alkali concentration has fixed at the level of 1.2p. A small amount of Mi catalyst containing 3-5% of Al has increduced and the wole is heated for 30-50 minutes. A reflux condenser is used. The not very strongly bonded is separated in 15-20 minutes. We solve on its then filtered free from the catalyst, acadefied with HMO3 and ion H is determined according to Volhard's method. The de aloge action of organic substances that become very reshibutes or acquire dark coloration in an alkaline medium is perfermed in an acad solution using bone charcoal as catalyst and granulated Zh for the liberation of H2. The method is applicable when the concentration of substances undergoing analysis is

Card : 2/3

107

HUNGARY / Organic Chemistry. Synthesis. G

Abs Jour: ref Zhur-Khimiya, No 7, 1959, 23331

Author : Gal, Gy.; Foldesi, I.; Krasnai, E.

Inst : Academy of Sciences, Hungary

Title : Role of Halogen Aluminium Alcoholates in the

Meerwein-Ponndorf-Verley Reduction. V. Reduction

of <-Oximinoketones.

Orig Pub: Acta chim. Acad. scient. hung., 1958, 16, No 3,

279-290.

Abstract: See RZhKhim, 1958, 39541.

Card 1/1

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HUNGARY / Organic Chemistry. Synthesis.

G-2

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 23452

: Gal, Gy.; Krasznai, E. Author

: Academy of Sciences, Hungary Inst

: Stability of Halogen Aluminum Alcoholates. Title

Orig Pub: Acta chim. Acad. scient. hung., 1958, 16, No 4,

369-377

Abstract: The thermal dissociation of chloroaluminum alco-

holates (ChAA) - catalysts in the reduction of oxo

compounds with aluminum isopropylate (I) (by

Meerwein's method) was studied. ChAAs of the general formula ClAl(OR)₂ dissociate at 150-200° depending on the nature of the radical R. The type of the thermal dissociation is qualitatively the same as that of analogously constructed halogen esters of boric acid: a) 3ClAl(OR)2-Al2O3 + Al(OR)3-

Card 1/6

G-21

HUNGARY / Organic Chemistry. Synthesis.

G-2

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 23452

Abstract: + 3RC1; b) 3ClA1(OR)₂ →Al₂O₃ + Al(OR)₃ + 3 olefins + 3RC1; c) 2ClA1(OR)₂ →Al₂O₃ + Cl₂AlOR; d) 2Cl₂AlOR AlCl₃ + ClA1(OR)₂. Besides, the reaction Al(OR)₃ + HCl →ClA1(OR)₂ + ROH takes place. In the presence of Lewis's acids (0.05-1% of FeCl₃ or AlCl₃), the temperature of ChAA dissociation decreases very much. On the contrary, Lewis's bases stabilize the ChAAs. The amounts of RCl and olefin formed in accordance with the equations a and b are 70-85 and 3-8% respectively; however, in the dissociation of chlorine aluminum isopropylate (II), 28% of propylene and only 55% of iso-C₃H₇Cl are formed. The rate of Meerwein's reaction in the presence of II rises while the amount of II does not exceed 35% of the amount of I; the rate

Card 2/6

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Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 23452

Abstract: of reduction does not change at larger amounts of II (35-70%); on further increase of the amount of II, reactions of another direction are observed, even under conditions under which II is still stable. The mechanism in the catalytic action of II in Meerwien's reaction is discussed: first, a complex is formed from the oxo compound R'R"CO and II, this complex loses a molecule of acetone at a high enough temperature and converts into a "mixed" Claa of the formula R'R"CHOAl-(Cl)OCH(CH3)2, which is less stable thermally than the ordinary Claa. The interaction between the "mixed" Claa and I results in the normal product of reduction under the condition that the amount of the I present does not exceed the amount of II. Under different conditions, the "mixed" ClAA causes the process of

Card 3/6

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HUNGARY/Organic Chemistry. Organic Synthesis.

Abs Jour: Ref Zhur-Khim., NO 11, 1959, 38584.

Author : Gal. G. and Krasznai, E.

GAL, G.

: Timgarian Academy of Sciences. Title

: The Selective O-Deacylation of N, O-Diacyl Compounds with a Mixture of Aluminumisopropylate and Chloroalumi-

numisopropylate.

Orig Pub: Acta Chim Acad Sei Hung, 17, No 2, 171-179 (1958)

(in English with German and Russian summaries)

Abstract: The rate of the transesterification reactions cata-

lyzed by :1(003H7-iso)3 (I) can be increased by substituting 20-30% of the I used (used in a 3-4fold excess over the stoichiometric amount of I) by Clal(OC, Hy-iso); (II). N, O-diacyl derivatives can

Card : 1/4

MUNICARY/Organic Charastry. Organic Synthesis.

G

Abs Jour: Ref Zhur-Khin., No 11, 1959, 38584.

be 0-deacylated without danger of cleavage of the N-bond by using a mixture of I and II. Acetyl, benzoyl, and tosyl derivatives react readily; h-mitrobenzoyl derivatives react to a very insignificant degree. During the reaction a partial decomposition of II may take place with the formation of iso-C;N;Cl and propylene. When phenyl acetate is used, o-hydroxylacetophenone has also been isolated. A solution of 0.1 mol of the diacetyl derivative in 60-100 ml abs C(N), CN;CN(ON)CN; (III), CLCN;CN; or a mixture of these solvents is treated with a solution of 0.1-0.15 mol I in 60 ml C/N, and 20 ml of a 1 M benzene solution of II, the solution is refluxed for 1-3 hrs, after which it is evaporated. The N, 0-diacetyl derivatives, solvents used (ratio in parenthesis),

Card : 2/4

G-14

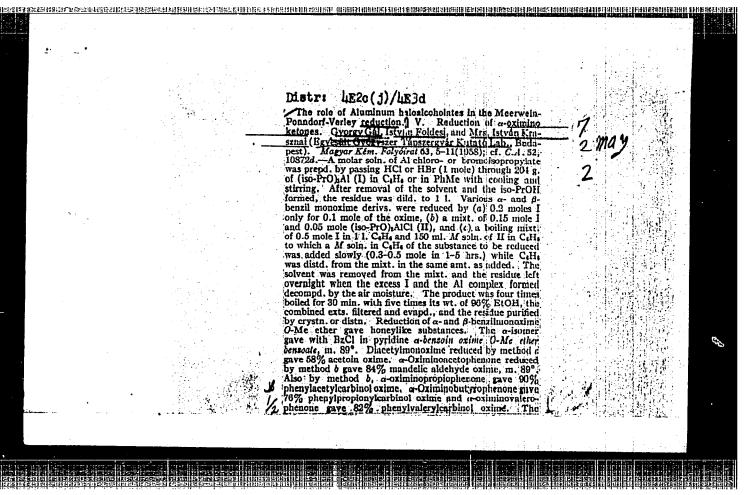
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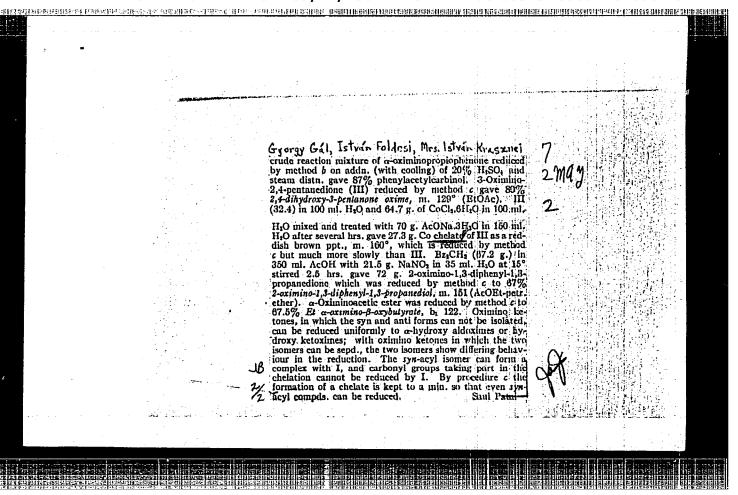
HUNGARY/Organic Chemistry. Organic Synthesis.

Abs Jour: Ref Zhur-Khim., No 11, 1959, 38584.

reaction time in min, and the yield of the corresponding N-acylerino alcohol in % are listed below in that order: N-benzoyl- /3 -acetoxy- /3 -phenylethyl-amine, C₂N₂, III (1:1), 25, 83; N, G-dibenzoyl-DL-norpseudoephedrine, C₂N₃, III (2:1), 25, 92; 3-benzamidophenylbenzoate, C₂N₄, III (2:1), 30, 98; 4-acetamidophenylacetate, C₂N₃, III (2:1), 25, 93; 4-benzamidophenylacetate, C₄N₄, III (2:1), 40, 95; 4-benzamidophenylacetate, C₄N₄, III (2:1), 35, 96; 2-acetamidobenzoylacetate, C₄N₄, 25, 78; 2-acetamidobenzylbenzoate, III, CNCl₃ (1:1), 30, 63; 2-benzamidobenzylbenzoate, III, 35, 75; 2-benzamidochenzylacetate, C₄N₄, III (2:1), 25, 78, mp 95°; tosylate (IV) of methyl-(4-tosylaminophenyl)-carbinol (V), C₄N₄, III

Card : 3/4





NAGY, Gyorgy, dr.; GAL, Gyula, dr.

Pathological data on essential pulmonary hypertension. Magy. below.arch13 no.5:142-147 0 '60.

1. A Fovarosi Istvan Korhaz (Igazgato: Katona Istvan dr.) Korbonctani Osztalyanak (Foorvos: Radnai Bela dr.) kozlemenye. (HYPERTENSION pathol) (PULMONARY ARTERY pathol)

VARGA, Laszlo, dr.; GAL, Gyula, dr.; CSAKANY, Gyorgy, dr.

X-ray findings on degenerative changes in the sterno-costal joint. Orv. hetil. 103 no.25:1165-1167 24 Je '62.

1. Orszagos Kardiologiai Intezet, Rontgenosztaly es Fovarosi Istvan Korhaz, Prosectura.

(RIBS dis)

HUNGARY

GAL, Gyula, LESZKOVSZKY, Gyorgy, LENDVAI, Jeno; Chinoin Pharmaceutical Factory, Pharmacological Laboratory (Chinoin Gyogyszergyar, Farmakologiai Laboratorium), Budapest.

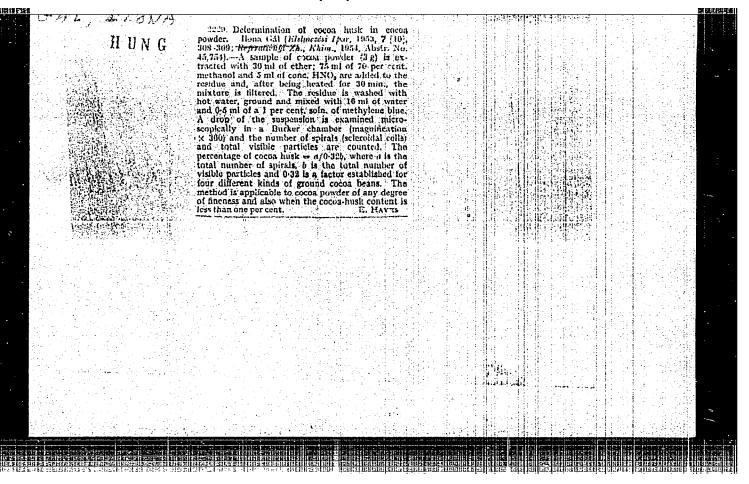
"Quantitative Evaluation of the Morphological Changes Obtained in Experimental Necrosis of the Cardiac Muscle."

Budapest, Kiserletes Orvostudomany, Vol XVIII, No 4, Aug 66, pages 398-402.

Abstract: [Authors' Hungarian summary] A quantitative morphological method was used to study the cardiac necrosis of rats produced with isoproterenol. By means of a mathematical-statistical comparison of the severity index numbers, obtained with a procedure based on the counting of the morphological building blocks of the changes, it was concluded that increasing doses of isoproterenol will lead to a development of significantly more severe necroses. The changes are made less severe by amine oxidase inhibitors and more severe by reserpine and guanetidine. The method could be useful for the quantitative evaluation of morphological changes resulting from various pharmacological experiments. All 26 references are Western. [Manuscript received 9 Aug 65.]

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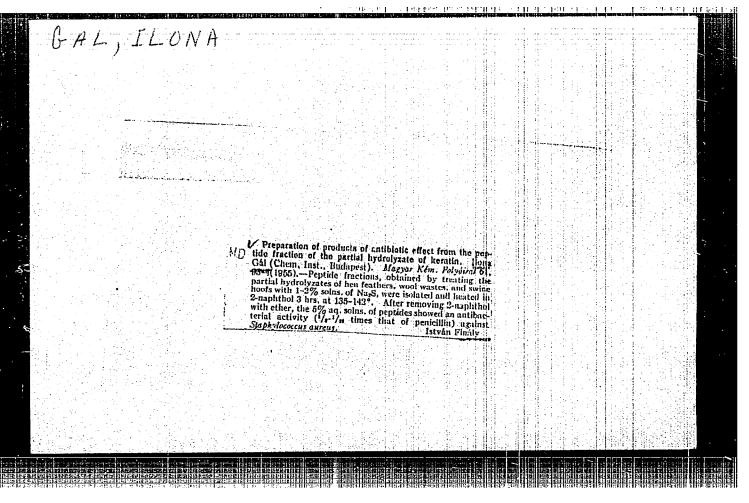
APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614020002-6"



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New methods in analytic chemistry. p. 1433. Vol. 9, No. 9, 1954. TEHNIKA. Beograd, Tugoslavia.

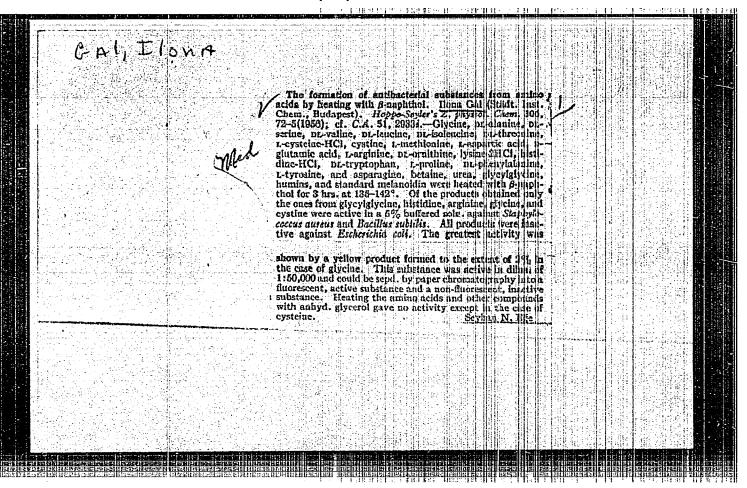
SOURCE: East European Accessions List. (EEAL) Library of Congress, Vol. 5, No. 8, August, 1956.

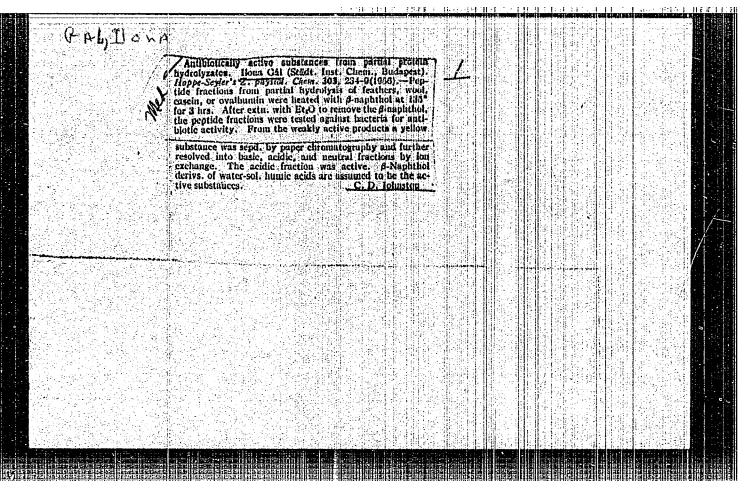


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Research on utilization of swine hoofs. p. 314. Vol 9, no. 10, Oct. 1955. REEL-MEXESI IPAR. Budapest, Hungary.

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Examination of the artificial radioactivity of some Hungarian foodstuffs. Magy kem folyoir 66 no.11:436-439 N '60.

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GAL, Imre

The way we should support the execution of the program of the Hungarian Federation for Physical Education and Sports. Munka 14 no. 2: 32-33 F '64.

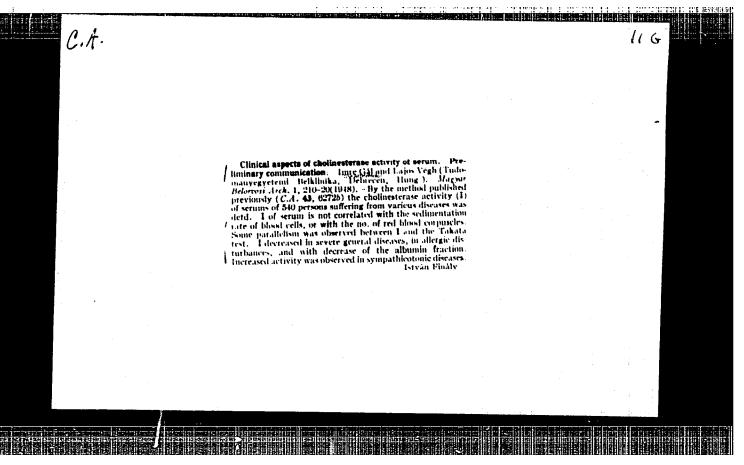
1. Szakszervezeti Megyei Tanacs kulturalis bizottsaga vezetoje es Megyei TS elnokhelyettese.

GAL I. Debreceni Tudományegyetem Belklinikájának Közleménye. Nephelometriás eljárás a serumcholinesterase aktivitásának meghatározására Nephelometric method for determination of the activity of serum cholinesterase Magyar Belorvosi Archivum 1548, 1/4 (198-209) Graphs 10 Tables 3

The method is based on the fact that acetic acid, liberated by hydrolysis of acetyl-choline, causes aggregation of globulins which can be measured nephelometrically. As serum sometimes shows only a slight opalescence, an 'indicator' (e.g. milk) is required. A mixture is made of 0.3 ml. serum, 0.3 ml of a 1: 10 dilution of boiled milk, 1 ml. 0.01 N-acetylcholine and 2.7 ml. distilled water. A standard tube is prepared in the same way but instead of the acetylcholine it contains 0.5 ml. ef 0.01 N-acetic acid (corresponding to the amount liberated by 50% hydrolysis of the acetylcholine sample). The time taken for the development in the acetylcholine tube of an opalescence equal to that in the standard tube is the half-value period corresponding to the cholinesterase. The reciprocal of this figure is multiplied by 1000 to express the cholinesterase activity of the serum. Half-value periods for the sera of normal and pathological individuals are given.

Ambrus - Zurich

SO: Physiology, Biochemistry & Pharamacology 2.1 Jan.-June 1949



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"The Health Aspects of the Villages and Farms in the Reorganization Scheme of the Hungarian National Health Services."

Orvosok Lapja. Budapest, 1948 h/14(200-203) Abst: Exc. Med. IV, Vol. 11, No. 3, p. 310

GAL, I. (3532)

Medizinische Klinik and Stomatologis che Klinik der Universitat in Debrecen, Ungarn. Uber Cholesterinesterase-Aktivitat im menschlichen Speichel On cholinesterase activity of the human saliva Zeitschrift für Stomatologie 1948, 45/9 (411-414) Graphs 3 Human saliva has neither cholinesterase activity nor inhibitory action on this enzyme.

Roche - Paris

173

So: Excerpta Medica, Vol. II, No 7, Sec. II, July 1949

GAI., I.; JAVOR, T.; KESZTYUS, L.; IAZAR, J.; NIKODEMUSZ, I.; SZIIAGYI, T.; VEGH, L.

Effect of roentgen rays on diphtheria toxin. Acta physiol. hung. 2 no. 3-4:533-537 1951. (CLML 22:1)

1. Of the Pathophysiological Institute and of the First Medical Clinic, Debrecen University.

GAL, I.; JAVOR, T.; KESZTYUS L.; LAZAR, J.; NIKODEMUSZ, K.; SZILAGYI, T.; VEGH, L.

Effect of roentgen rays on diphtheria toxin. Kiserlates Orvostud. 3 no. 5:363-365 1951. (CLML 21:3)

1. Doctors except Javor and Lazar. 2. Institute of Pathology and First Internal Clinic of Debrecen Medical University.

GAL, I.; VECH, L.

Data on the mechanism of local pain sensation and local analgesia;

investigations on competitive ferment inhibition. Kiserletes orvostud. 3 no.6:435-443 1951. (CIMI 21:4)

1. Doctors. 2. First Internal Clinic, Debrecen Medical University.

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HANKISS, J.; GAL, I.; SAMU, I

Therapsutic trial in myotomia acquisita; a contribution to the pharmacology of the priscoline. Klin. Ked. 9 no.3:123-126 1 Mar 54. (CIML 26:3)

1. Of the First Medical Clinic (Head-Prof. Bala Fermet, M.D.) of Debrecen University.

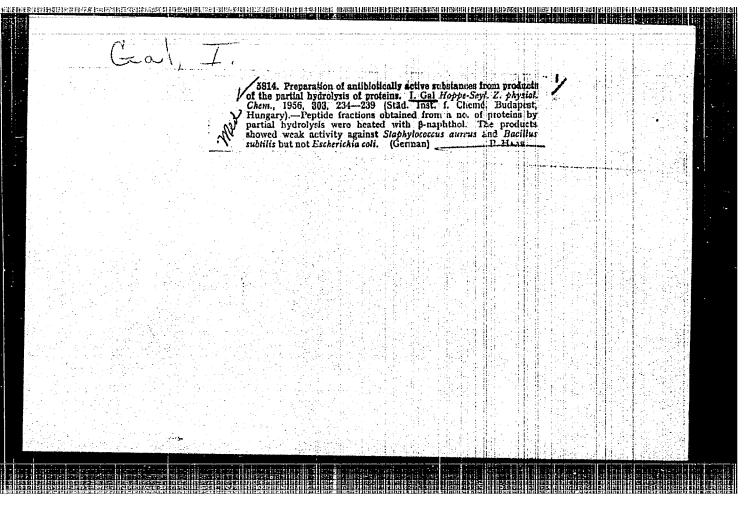
VEGH, Lajos, dr.,; GAL, Imre, dr.

Experimental studies on localization of thoracic transudates. Orv. hetil. 97 no.23:620-630 3 June 56

 A Debreceni Orvostudomanyi Egyetem I. sz. Beklinikajanak (igazgato: Fornet Bela dr. egyet. tanar) kozlemenye. (EXUDATES AND TRANSUDATES

transudates, pleural, localization in humans & rabbits in various pathol. cond. (Hun))
(PLEURA

transudates, localization in humans & rabbits in various pathol. cond. (Hun)) $\,$



GAL, Imre, dr. Cooperation in sanitary education. Nepegeszsegugy 42 no.4:105-108 Ap 161. l. Kozlemeny az Egesssegugyi Miniszterium Egesssegugyi Felvilagositasi Kozpontjabol (igazgato: Metneki Janos dr.) (HEALTH EDUCATION)

CIA-RDP86-00513R000614020002-6" **APPROVED FOR RELEASE: 09/17/2001**

HARGITAI, Fereno, dr.; CAL, Imre, dr.

Corticosteroid esteoporosis. Recurrent spontaneous compression fracture of the vertebra during corticosteroid therapy. Magy. Belorv. arch. 15 no.1:10-15 Fe 162.

1. Fovarosi Tetenyi u. korhaz (igazgato: Zellner Pa. dr.) I Belosztalya es Rontgenosztalya.

(ADRENAL CORTEX HORMONES toxicol) (OSTEOPOROSIS etiol) (SPINE dis)

A porus cathode with low heating capacity and high current density. Magy hir techn 12 no.5:192-194 0 '61. 1. Hiradastechnikai Tudomanyos Egyesulet tagja; Tavkozlesi Kutato Intezet.

GAL, Imre, az orvostudomanyok kandidatusa, foorvos

Report on the 2d Congress on Hungarian Radiologists. Magy tud 71 no.11:719-720 N .64.

1. Tetenyi Street Hospital, Budapest.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614020002-6"

FERKO, Sandor, Dr. GAL. Imre. Dr. SZONYI, Istvan, Dr. Capital City Council Tetenyi Ave Hospital, Obstetrical-Gynecological Ward (chief physician: FERKO, Sandor, Dr) and Radiology (chief physician: GAL, Imre, Dr) (Fovarosi Tanacs Tetenyi Uti Korhaz, Szuleszeti-Nogyogyaszati Osztaly es Rontgen Osztaly), Budapest.

"Experiences With the Use of Cytostatic Compounds in Cases of Malignant Ovarian Tumors."

Budapest, Orvosi Hetilap, Vol 108, No 11, 12 Mar 67, pages 496-498.

Abstract: [Authors' Hungarian summary] Based on a literature survey and 7 cases observed, the experiences gained in the course of the cytostatic therapy of malignant ovarian tumors are reported. The therapeutic principles (surgery and irradiation) used by the authors are described in detail, followed by a discussion concerning the particular phase in which cytostatic treatment is administered as well as the method and amount used. According to the authors' views, cytostatic therapy should be used in every case. Although sufficient in the cases discussed, it is the opinion of the good results achieved approach advocated by them is convincingly justified by the absence of symptoms and complaints in 5 patients, especially the incurable cases which had become suitable for radical surgery as well as those cases in which recurrences or metastases disappeared. 5 Hungarian, 36 Western references.

26904 H/009/61/000/005/002/003 D020/D105

9.4110 (1003,1138,1331)

AUTHOR: Gál Imre

Gal, Imre, Member (see Association)

TITLE:

STATES!

L-cathode with low heating power and high current density

PERIODICAL:

Magyar Hiradástechnika, no. 5, 1961, 192 - 194

TEXT: The author deals with the design and advantages of L-cathodes in general and describes a new type of L-cathode with 1.8-w heating power at 6.3 v, developed at the Egyesült Izzó Fejlesztési Főosztálya (Development Department of United Incandescent). The final version of this cathode which is based on an L-cathode, 3 mm in diameter, with 3.6-w heating power developed prior to 1955, was worked out at the Távközlési Kutató Intézet (Telecommunication Research Institute). Main parts and dimensions of the new cathode with 2 - 10-ma carrying capacity and 100-500-ma/sq cm operating current density, are shown in Fig. 1a. The cylindrical shell and the partition plate separating the active material reservoir from the heater compartment are made from 0.15-mm-thick molybdenum sheet. The 0.3 - 0.4-mm-thick porous plug is pressed at 200 atm from tungsten powder with 3-/k particles sintered at 1,600°C in an H atmosphere for 10 minutes.

Card 1/4

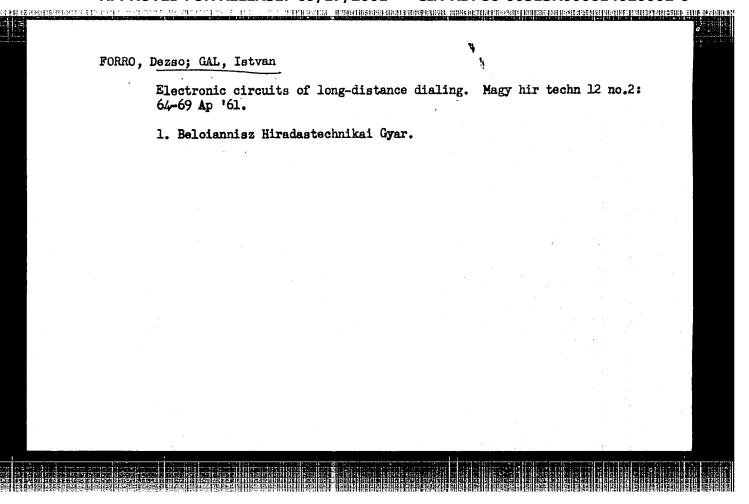
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L-cathode with low heating power

The emitting surface is 1.8 mm in diameter. The active layer is made from a suspension of mixed Ba-Sr-Ca carbonates. The heat shielding cylinder shown in Fig. 1b is made from 0.15-mm-thick V2A material with 0.013 cal/cm·sec·degree heat conductivity. The shield with the three 0.5-mm-long and 0.3-mm-wide ribs on the lower end in direct contact with the cathode maintains the operating temperature T = 220°C at 1.8 w by saving about 30% of heating power. The cathode is heated by an aluminum oxide coated hairpin filament. The activation was carried out gradually by increasing the heater voltage 1 v per minute. At 11 v and 1,150°C, the cathode was glowed for 2 minutes, then the heater voltage reduced to 7.5 v for 10 minutes to achieve the required emission stability. Fig. 3 shows the efficiency of the cathode at 20-v anode voltage and Fig. 4 the operating current density curve at 920°C. There are 4 figures and 5 references: 1 Soviet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows. I. Muller: Trans. of the IRE, PGED, 4, 1953, Dec p 33; E. Borne: Proc. IRE, 47, No. 9, 1950; W. Hawkins: Nature, 1954, 174.

ASSOCIATION: Hiradástechnikai Tudományos Egyesület (Communication Scientific Society); Távközlési Kutató Intézet (Telecommunication Research Institute).

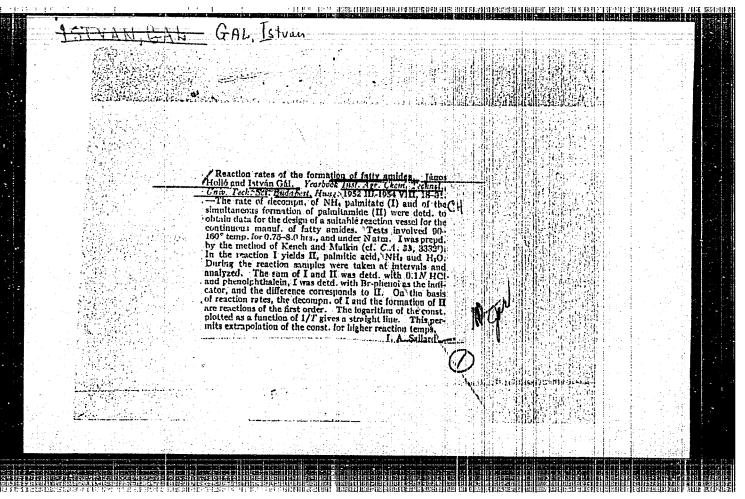
Card 2/4

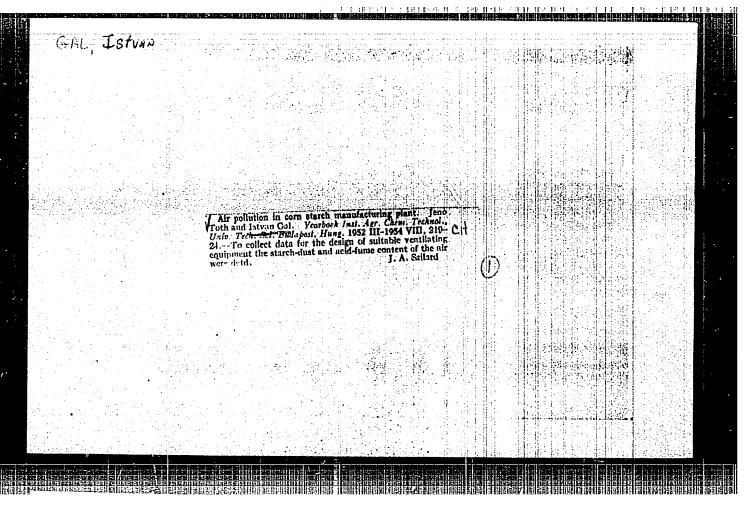


GAL, Istvan, foeloado

Changes in the railroad transportation tariff of live animals. Kozleked kozl 20 no.50:827-829 13 D '64.

1. Ministry of Transportation and Postal Affairs, Budapest.





Hungary/Chemical Technology - Chemical Products and Their Application. Medicinals. Vitamins. Antibiotics, I-18

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62928

Author: Gal, Istvan; Gombkoto, Geza

Institution: None

Title: Preparation of Crystalline Capsaicine

Original

Periodical: Kristalyos kapszaicin eloallitasa. Elelm. ipar., 1955, 9, No 10, 313-314; Hungarian; Russian, English, and German resumés

Abstract: A new method has been worked out for obtaining capsaicine. The latter crystallizes spontaneously from petroleum-ether extracts of plant materials and can be isolated in very pure form.

Card 1/1

APPROVED FOR RELEASE 09/17/2001 CIA-RDP86-00513R000614020002-6"

HUNGARY / Chemical Technology. Chemical Products and Their Application. Dyoing and Chemical Treatment of Textiles.

ibs Jour : Rof Zhur - Khim., No 3, 1958, No 10,097

Luthor

: Kralik, Ivan; Gal, Istvan

Inst Orig Pub Not given 1956, No 10, 385-386 Magyar textiltechn, 1956, No 10, 385-386

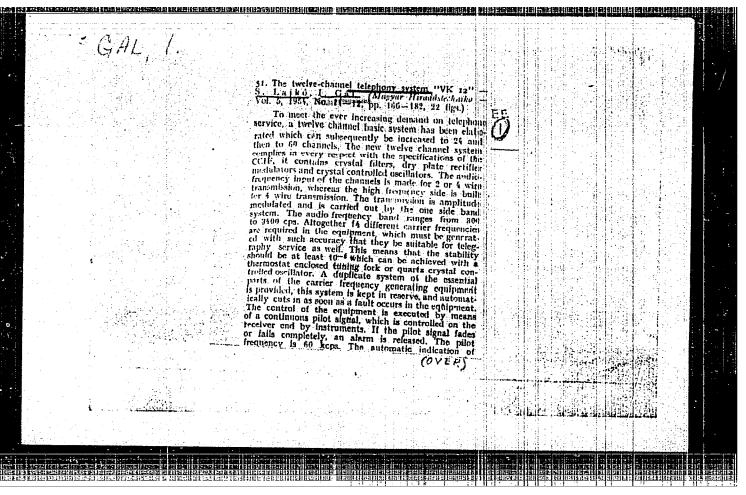
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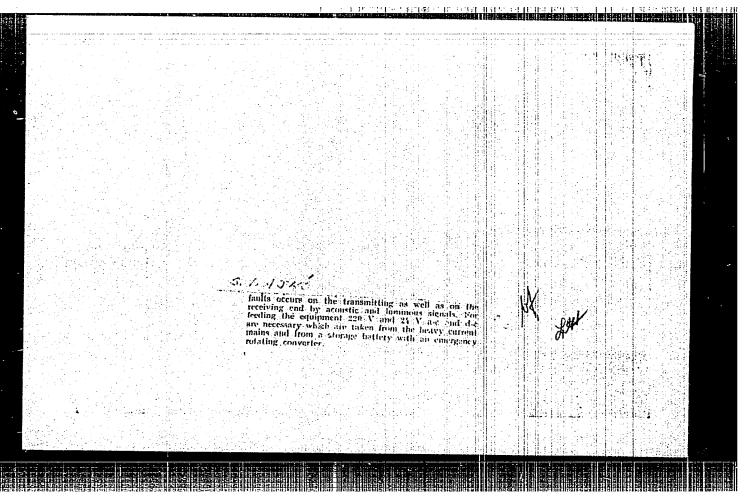
: Cortain Problems of Stable Hydrophobic Finishes II. Technological Part.

Abstract

Recommendations are given on carrying out the technological process of hydrophobic finishing fabrics out of collulose fibers by use of "fobit" (F), a commercial product of the chlorinated stearylamidemethylpyridine type. When the fabric is dipped and then 100% wringed out, a 5 gm/l concentration of F is used (F is dissolved in denatured alcohol, then diluted with water). Concentrations of 5 gm/l are useless, as the excess of F does not bind and is washed out at the very first wash. CH3COONa (33% of the amount of F) is added in order to neutralize

25



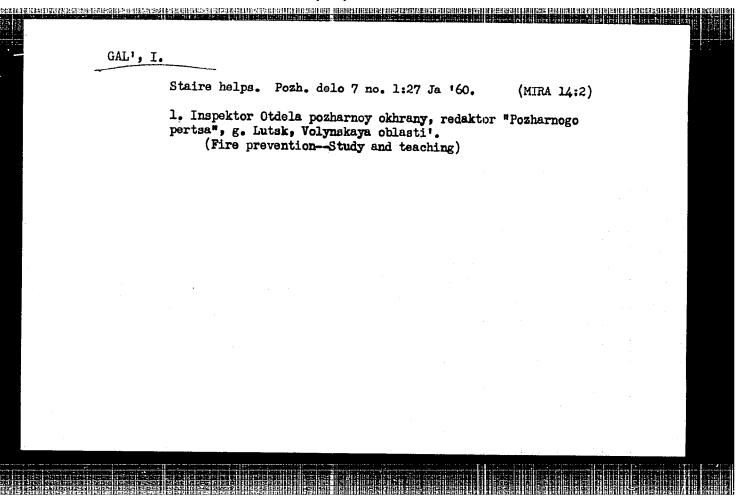


Up-to-date ringing and signaling transmission on multi-channel carrier circuits.

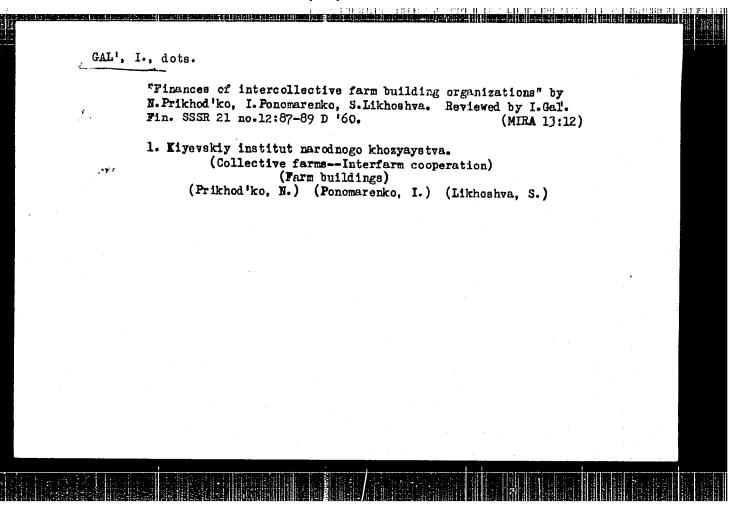
p. 70 (Nagyar Hiradastechnika. Vol. 8, no. 3, Sept. 1957. Budapest, Hungary)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,

February 1958



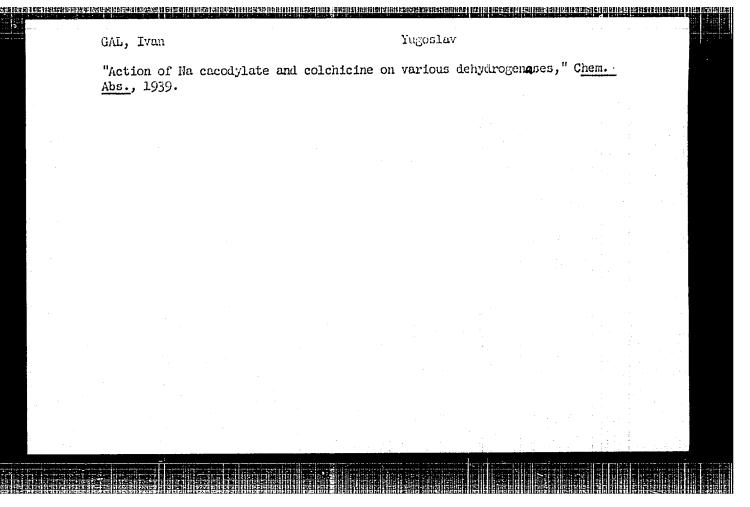
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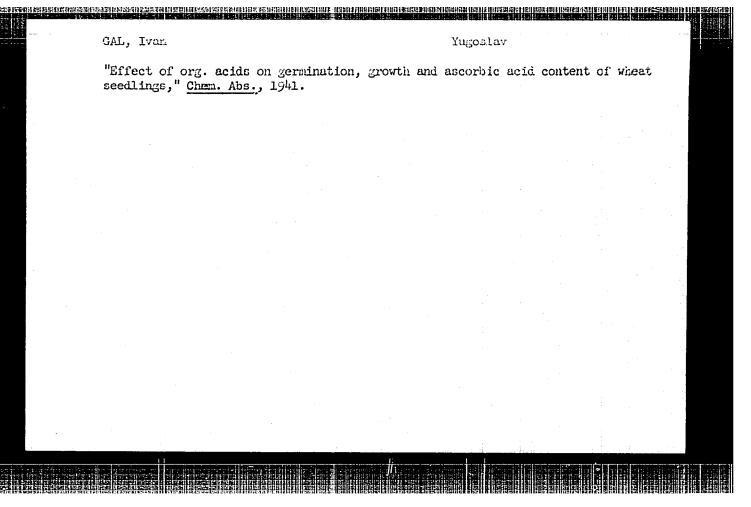


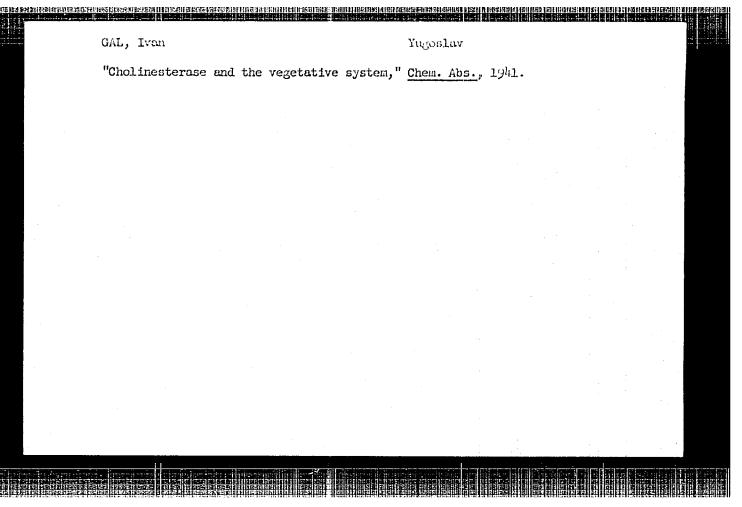
GAL', I. [Hal', I.], dotsent

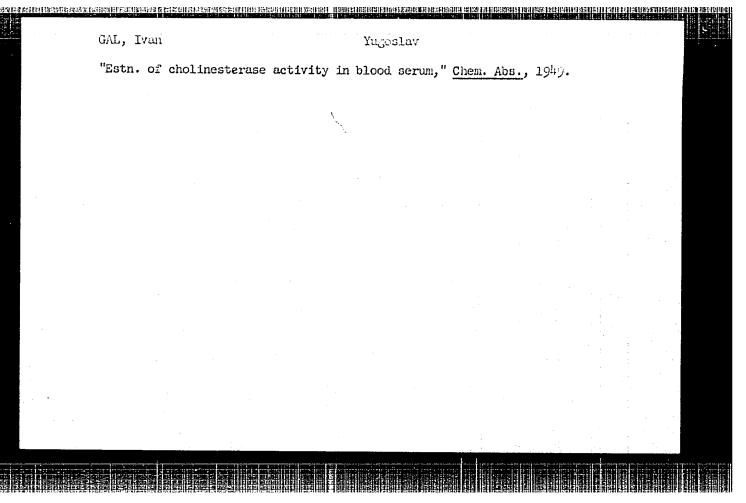
Let's improve the matter of creating capital assets and working capital for interfarm building organizations. Sil'. bud. Ll no.9:5-7 S '61. (MIRA 14:11)

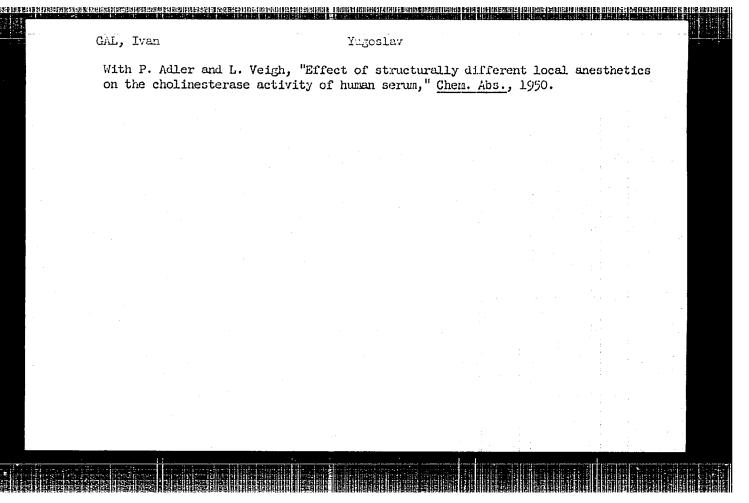
1. Kiyevskiv institut narodnogo khozyaystva.
(Ukraine Construction industry Finance)

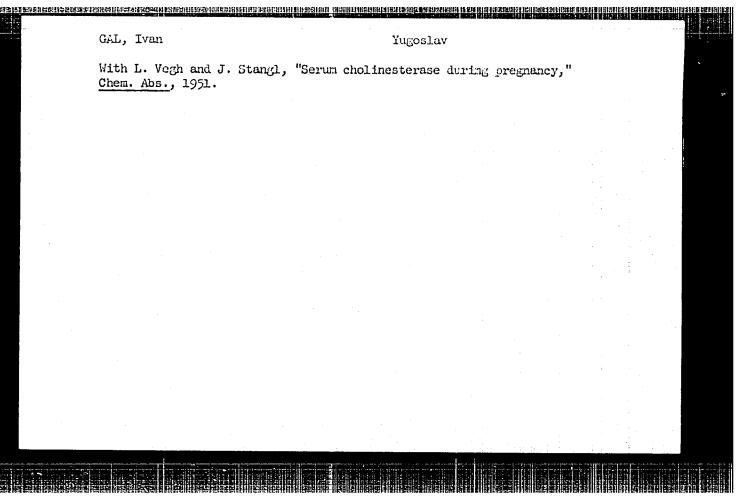


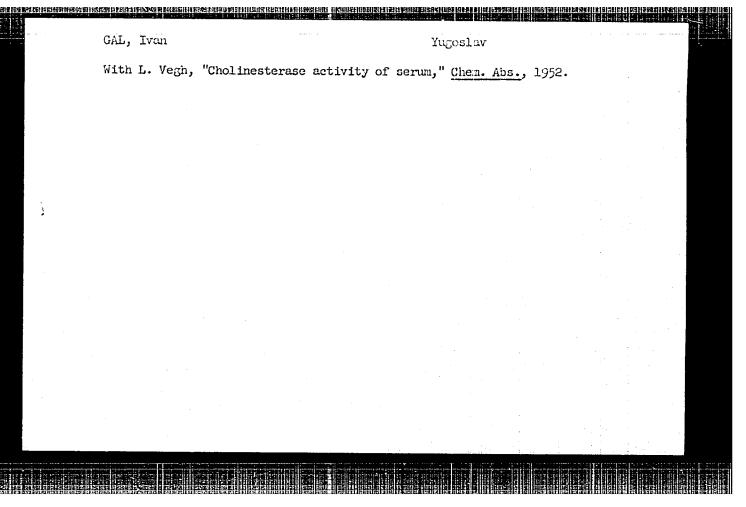




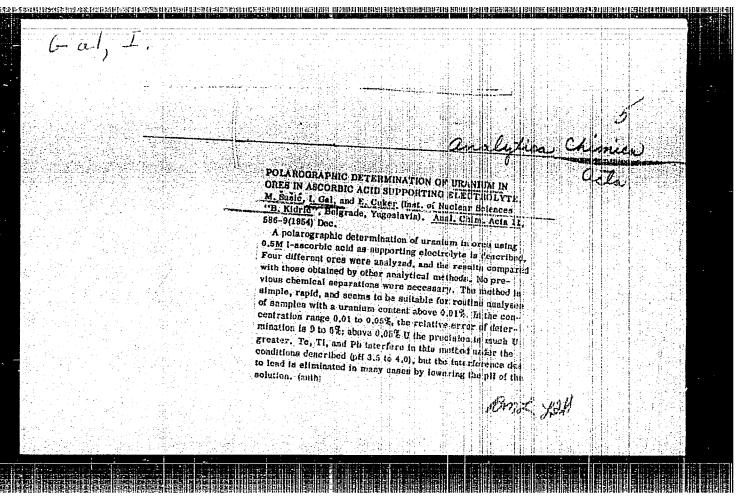








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GAL, Ivan

Ivan GAL "Extraction Methods," Tehnika, No. 1, 1955, p. 1.

Extraction methods used in inorganic analyses are described. Theoretical grounds important for practical work are also given. The author mentions extraction methods used in the extraction of: nitrates, chlorides, bromides, fluorides, etc., and also for some other inorganic compounds.

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		V Extraction of with tributyl Ruvanne. Bu grade) 8, 67- H+, Pe+++, Zr++, Ce+++, tributyl phosy	of chlorides from hydro phosphate Ivan I all. Inst. Nuclear Sec. -74(1958).—The partition Fe++ UO ₁ ++ Cd++, RuO++, and VO ₂ —bett phate (I) in Bu ₂ O and a was detd. The depend	ochloric neid solutions Gal and Aleksandar Boris Kidrich' (Bel- in of the chloridis of Ni++, Co++, Sr++, ween 30% by vol. of ag. solns, of different		
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GAL, Ivan: RUVARAC, Aleksandar

Separation of uranium, plutonium, and fission products on zirconium phosphate. Pt. 1. Bul Inst Nucl 13 no.1:1-17 Ap '62.

1. The Boris Kidrich Institute of Nuclear Sciences, Hot Laboratory, Department, Vinca.

RUVARAC, A.; GAL, I.

Separation of uranium, plutonium, and fission products from the HNO3 solution on zirconium phosphate. Pt.2; abstracts. Glas Hem dr 27 no.9/101487-488 *64

1. The Boris Kidric Institute, Hot-Laboratory Department, Belgrade-Vinca.

GAL, I.

Reprocessing exhausted nuclear fuel at the Boris Kidriz Institute of Nuclear Sciences, Vinca; abstract. Glas Hem dr 27 no.9/10:483 *64

1. The Boris Kidric Institute of Nuclear Sciences, Hot-Laboratory Department, Belgrade-Vinca.

GAI, Ivan, dr hem.

Reprocessing of nuclear fuel. Nuklear energija 1 no.2/3:15-18 164.

1. Head, High-Power Laboratory of the Boris Kidric Institute of Nuclear Sciences, Belgrade-Vinca.

